

V-Accordion

FR-18
diatonic



Take one, get more.



Roland

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FR-18 diatonic

The FR-18 diatonic V-Accordion is a dream for accordionists seeking a world-class diatonic instrument that can do it all. With the same sound quality as Roland's acclaimed V-Accordion line-up and with dedicated new samples, the FR-18 digital diatonic will satisfy traditional folk-based musicians.

Available in black and red, the FR-18 fits into a variety of playing environments, preserving elegance and respecting tradition.

Traditional diatonic acoustic accordions have only one tonal key, but the FR-18 has no limits because musicians can create their own instrument in real time. The introduction of orchestral and percussion sounds as well as virtual tone wheel organs means that the FR-18 can adapt to any kind of musical genre.

The FR-18 has no internal speakers so it's extraordinarily light. A pair of inner-earphones is also included so the musician can play diatonic accordion immediately after opening the box.

As a silent diatonic accordion, the FR-18 is perfect for practising in the evening and in small apartments. A long battery life means the FR-18 can be used in all types of situations, indoors and outdoors.

FR-18 Black

FR-18 Red

12 TABLATURES TO SELECT VARIOUS DIATONIC MODELS

The FR-18 diatonic comes with 12 typical tablatures to cover the most important Treble/Bass and Chord layouts. These tablatures allow you to try new configurations and play different kinds of tuning without changing instrument.

It's now possible to immediately select different diatonic models, ranging from a two-row-plus-eight-basses model to a three-row-plus-18-basses model. The diatonic musician can create their own tablature by choosing the desired opening/closing notes for each button.

12 TONALITIES PLAY IN ANY KEY

With 12 tonalities in one instrument, playing in a band is no problem.

The Key function allows diatonic musicians to easily play tunes in any tonalities without being forced to change their technical or layout configuration.

12 SETS TO COVER WIDE MUSICAL GENRES

12 Accordion (tone) Sets to cover a lot of musical genres.

DEDICATED ACOUSTIC AND ORCHESTRAL SOUNDS FOR EACH SET

The FR-18 diatonic comes with eight treble orchestra, three orchestra bass and three orchestra chord sounds that are different for each set. This means that each set (Folk, Classic, Tradition, Organetto and so on) will recall dedicated orchestral sounds relevant to that set. Three user sets allow the musician to customise the FR-18 diatonic with new acoustic and orchestral sounds. Dual mode function allows the accordionist to layer orchestral and accordion sounds for the right hand, so as to extend the melody part.

USB MEMORY FOR USER DATA AND SOUND LIBRARY MANAGEMENT

The USB port allows you to customise your instrument with new orchestra and accordion sounds. You can also save and load user program data, load user set data and manage tablature files.

USER PROGRAMS FOR INSTANT SAVING AND RECALLING INSTRUMENT DATA

Four user programs to easily recall settings.

PERCUSSION CONTROLLED BY BASS AND CHORD

Percussion accompaniment controlled by Bass and Chord to simplify your performance.

REPLACEABLE GRAPHIC INLAY SHEETS TO PERSONALISE THE INSTRUMENT

The FR-18 diatonic comes with changeable inlay sheets which enable owners to change the accordion's appearance by replacing the sheets.

End-users can create their own custom-designed inlay sheets using an A4 printer or using commercially available paper such as wall papers or cutting sheets etc.

AIR BUTTONS AND BELLOWS RESISTANCE REGULATOR

The Bellows resistance regulator allows the musician to control the sensitivity of the bellows, making the bellows easier to push or pull.

TABLATURE SOFTWARE CREATOR

A free software program for PC and Mac will soon be available on the Roland website. This dedicated software will allow you to personalise the layout of the FR-18's keyboard and bass buttons, turning the FR-18 diatonic into a truly "open instrument". Users can create their own layout for keyboard and bass buttons and also decide how many buttons in the keyboard and bass sections they want to play. Thanks to the USB port, tablature sets can be loaded easily into the FR-18 diatonic.

CHORD MODE SELECTION

This function selects chord mode in the left hand, removing the third degree in the chord and allowing musicians to play complex chord combinations, especially when playing jazz music.

HEADPHONE SOCKET TO PRACTISE WITHOUT DISTURBING NEIGHBOURS

A headphone socket enables you to practise at night and in small apartments without disturbing the neighbours.

MIDI IN/OUT

MIDI IN/OUT connection to expand your creativity using sequencers, sound modules and so on.

FR-18 diatonic SPECIFICATIONS

Keyboard, Bass & Bellows	
Right hand	37 buttons, velocity sensitive.
Left hand	18 bass buttons velocity sensitive.
Tablature	12 types to configure treble button keyboard and Bass&Chord buttons.
Key	12 keys to play in all tonalities: C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B.
Bellows	Real pneumatic detection of bellows pressure (high-resolution pressure sensor), Bellows Resistance regulator.
Sound source	
Tones (Accordion Set)	12 accordion sets, each including: 8 Treble registers, 3 Bass & Chord registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 8 Orchestra sounds, 4 Organ sounds.
Reed Footages	5 Treble, 3 Bass, 2 Chord.
Orchestral sounds	
8 different for each Set.	
Organ sounds	
4: Blues, Distortion, Full Draw, 3rd Percussion (slow/fast Rotary settings for each).	
Orchestral Bass sounds	
3 different for each Set.	
Orchestral Chord sounds	
3 different for each Set.	
PBM (Physical Behaviour Modelling)	
Noises	Stopping-reed growl, closing valve noise, left button noise.
Individual Reed Simulation	Hysteresis threshold, expression curve, pressure-variant filter, pressure variant pitch deviation.
Reed sound wave switching	By bellows acceleration, by note repetition speed.
Musette Tuning	
Micro-Tuning Presets	15 (Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish).
Effects	
Reverb/Chorus	8 types, 8 types.
Rotary	Slow/Fast (for organ sounds).
Panel Controls	
Knob Controls	Volume, Registers: 4 x Treble, Orchestra, Organ, Set; 3 x Bass, Orchestra Bass, Orchestra Chord.
Buttons	Power On/Off, Orchestra/Organ, Orch Bass, Orch Chord, Left Register/Battery, Drums/Default, Key/Demo, User Prog/Dec, Tablature/Inc.
Operation mode	
User Programs	4
Octave	Down(-), 0 Up (+) (for Treble, Orchestra and Organ).
Orchestra/Organ Modes	Solo, Dual.
Chord mode:	Full or without the 3rd chord degree.
Metronome	On/Off; Time Signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 7/8, 9/8; Tempo: 20-250.
Drums	4 drum/percussion sets.
Power supply	
Supplied External AC adapter PSB-1U (100V~240V universal) or optional batteries.	
Power consumption	
500 mA (using external adaptor).	
Battery	
(optional) 8 x AA type Ni-MH 2000 mAh – batteries ±5.5 hours. This varies depending on the actual conditions of use. Note: Carbon and alkaline batteries should not be used. Be sure to only use rechargeable Ni-MH AA-type batteries.	
Others	
Connectors	MIDI connector OUT/IN (adjustable via Function parameter), USB MIDI (computer connection) DC IN socket.
Output Jack	L/Mono (Treble), R/Mono (Bass); Headphones jack (Stereo).
Power Supply	External AC adaptor PSB-1U (100 ~ 240V, universal).
USB Memory	port storage devices.
Wave Expansion	2 internal areas (8Mb each) to load new sounds.
Size and Weight	
Size (mm)	375 (H) x 365 (W) x 195 (D) mm; 14-13/16 (H) x 14-3/8 (W) x 7-11/16 (D) inches.
Weight	5.3 kg/11 lbs. 11 oz. (without straps and optional batteries).
Supplied Accessories	
1/4" phone (guitar) cable, Earphones (with 1/8" → 1/4" adaptor plug), External PSB-1U AC adaptor, Owner's Manual, Strip for securing the adapter, MIDI and/or audio cables, Hexagonal wrench, Straps, Replaceable "traforo" inlay sheets.	
Optional Accessories	
Colour variation	Black, Red.
BAG FR-1	Accordion soft bag.
CM-30	Cube Monitor.
CUBE street	Stereo Amplifier.
SA-300	Stage Amplifier.
Mobile Cube	Stereo Amplifier.
AMC-3	Audio/Midi cable.
AAP-1	Music Rest and Throne.



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Note: in the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.